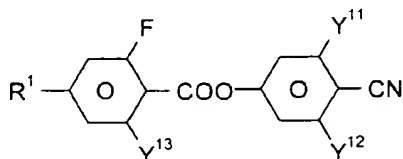


The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Presently Amended): An electro-optical liquid-crystal display comprising a realignment layer, for realigning liquid crystals, and a liquid-crystalline medium of positive dielectric anisotropy,

wherein said medium comprises one or more compounds of formula I



wherein

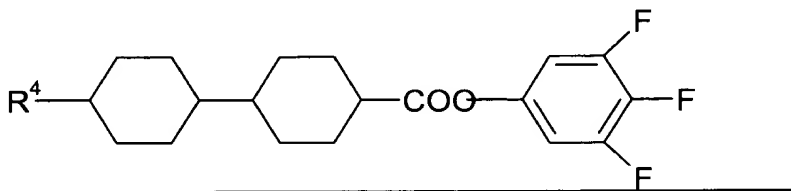
R¹ is H, alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms, alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms, and

Y¹¹, and Y¹² and Y¹³ are each, independently of one another, H or F; and

Y¹³ is H; and

~~wherein when an electric voltage is applied to said display an electric field is generated which has a component parallel to the liquid crystal layer for realignment of the liquid crystals~~

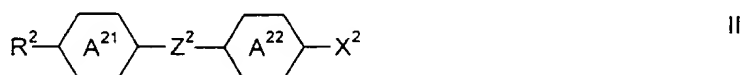
at least one compound according to formula IVf



wherein

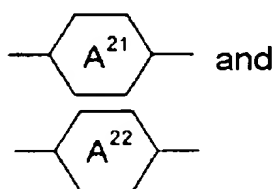
R⁴ is alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms, alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms, or alkoxyalkyl having 2 to 7 carbon atoms.

2. (Presently Amended): A liquid-crystal display according to Claim 1, wherein said medium additionally comprises one or more compounds of formula II:

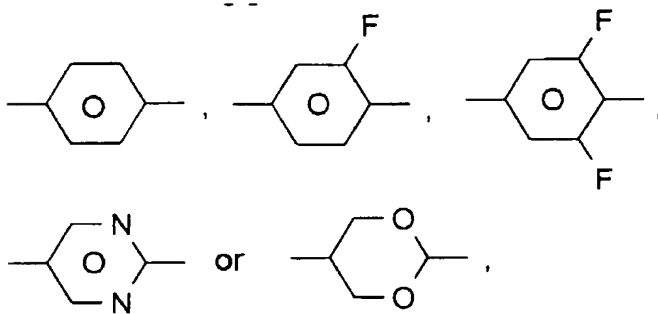


wherein

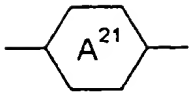

R² is alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms, alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms,

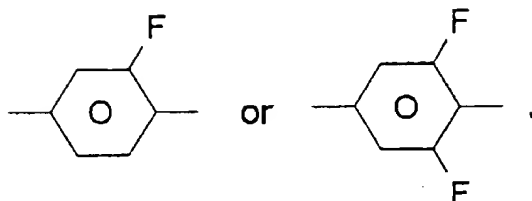


are each, independently of one another,



and

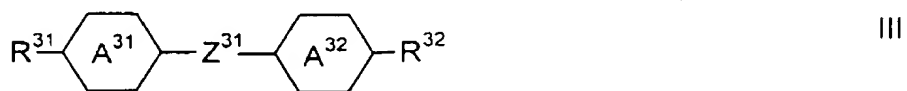
at least one of  and  is



X^2 is F, Cl or CN; and

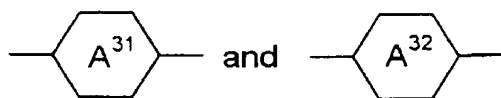
Z^2 is $-\text{CH}_2\text{CH}_2-$, $-\text{COO}-$, $-\text{CF}_2\text{O}-$ or a single bond.

3. (Original): A liquid-crystal display according Claim 1, wherein said medium comprises at least one compound of formula III

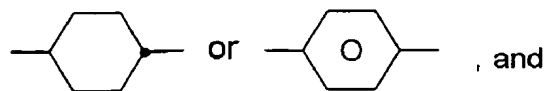


wherein

R^{31} and R^{32} are each, independently of one another, alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms, alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms,

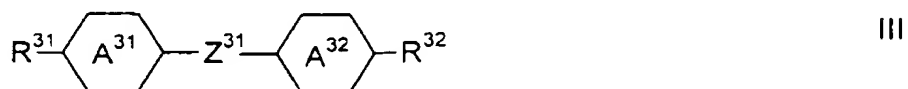


are each, independently of one another,



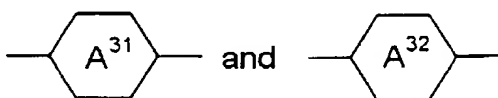
Z^{31} is $-\text{CH}=\text{CH}-$, $-\text{COO}-$, $-\text{CH}_2\text{CH}_2-$ or a single bond.

4. (Original): A liquid-crystal display according Claim 2, wherein said medium comprises at least one compound of formula III

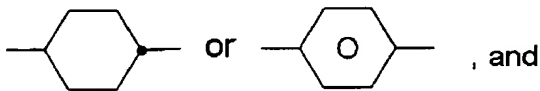


wherein

R^{31} and R^{32} are each, independently of one another, alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms, alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms,

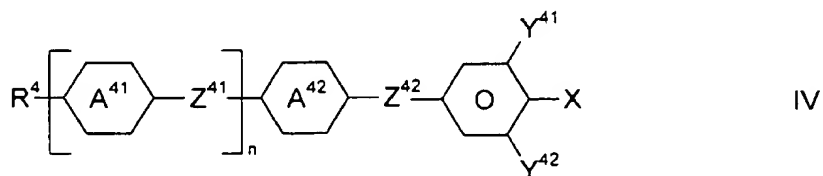


are each, independently of one another,



Z^{31} is $-\text{CH}=\text{CH}-$, $-\text{COO}-$, $-\text{CH}_2\text{CH}_2-$ or a single bond.

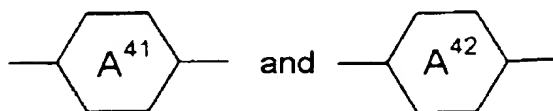
5. (Original): A liquid-crystal display according Claim 1, wherein said medium comprises at least one compound of formula IV



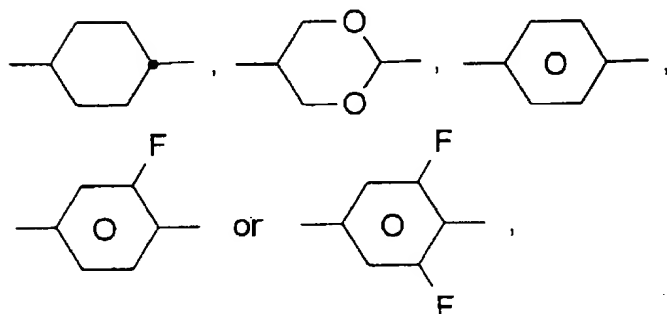
wherein

R^4 is alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms,

alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms,



are each, independently of one another,



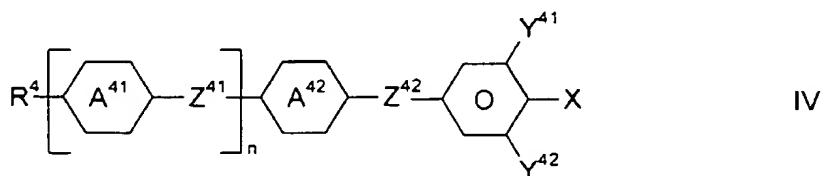
Q, cont.
 Z^{41} and Z^{42} are each, independently of one another, $-CF_2O-$, $-COO-$, $-CH_2CH_2-$ or a single bond,

n is 0 or 1,

X is OCF_3 , OCF_2H or F , and

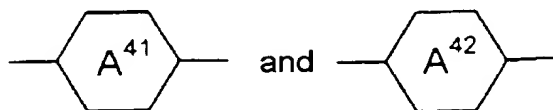
Y^{41} and Y^{42} are each, independently of one another, H or F .

6. (Presently Amended): A liquid-crystal display according to Claim 2, wherein said medium additionally comprises at least one compound of formula IV

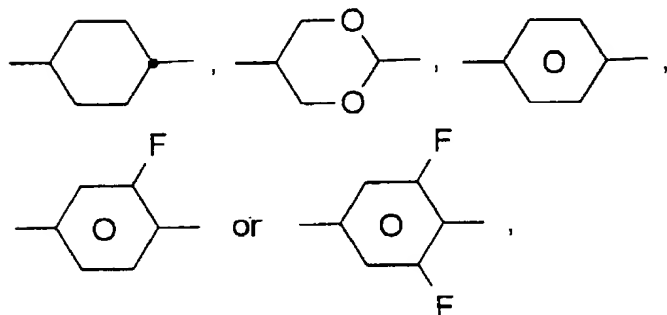


wherein

R^4 is alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms, alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms,



are each, independently of one another,



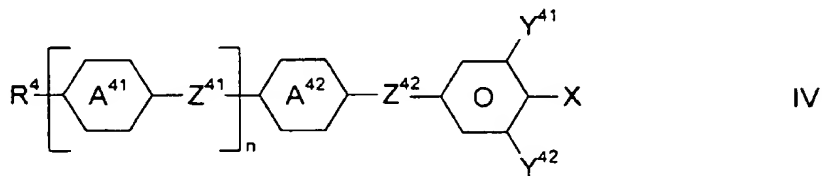
Z^{41} and Z^{42} are each, independently of one another, $-\text{CF}_2\text{O}-$, $-\text{COO}-$, $-\text{CH}_2\text{CH}_2-$ or a single bond,

n is 0 or 1,

X is OCF_3 , OCF_2H or F , and

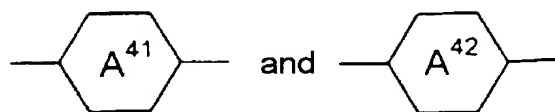
Y^{41} and Y^{42} are each, independently of one another, H or F .

7. (Original): A liquid-crystal display according Claim 3, wherein said medium comprises at least one compound of formula IV

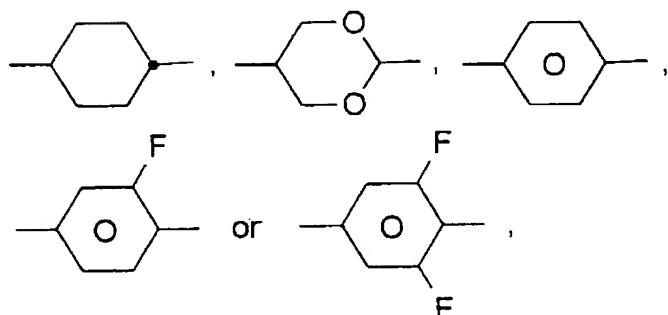


wherein

R^4 is alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms, alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms,



are each, independently of one another,



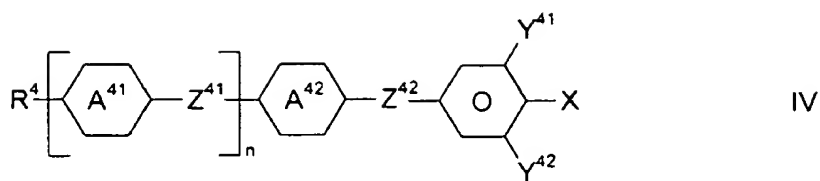
Z^{41} and Z^{42} are each, independently of one another, $-CF_2O-$, $-COO-$, $-CH_2CH_2-$ or a single bond,

n is 0 or 1,

X is OCF_3 , OCF_2H or F , and

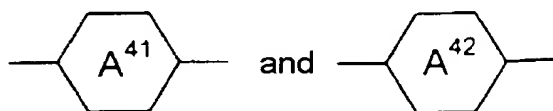
Y^{41} and Y^{42} are each, independently of one another, H or F .

8. (Original): A liquid-crystal display according Claim 4, wherein said medium comprises at least one compound of formula IV

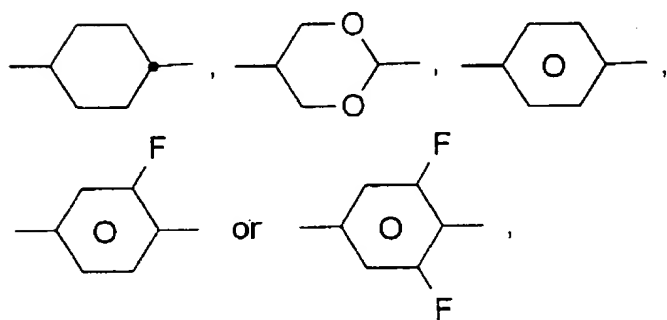


wherein

R^4 is alkyl having 1 to 7 carbon atoms, alkoxy having 1 to 7 carbon atoms, alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms,



are each, independently of one another,



Z^{41} and Z^{42} are each, independently of one another, $-\text{CF}_2\text{O}-$, $-\text{COO}-$, $-\text{CH}_2\text{CH}_2-$ or a single bond,

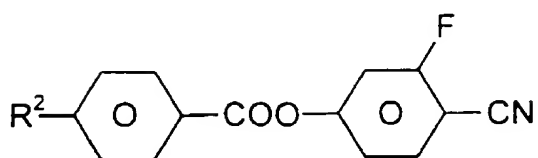
n is 0 or 1,

X is OCF_3 , OCF_2H or F , and

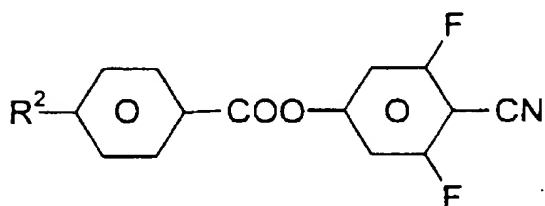
Y^{41} and Y^{42} are each, independently of one another, H or F .

9. (Original): A liquid-crystal display according to Claim 2, wherein medium

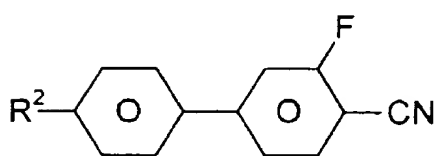
comprises one or more compounds of formulae IIa to IIg



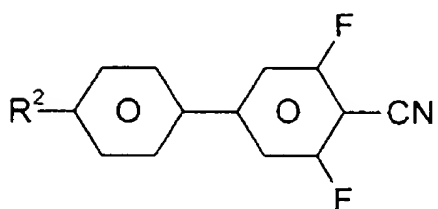
IIa



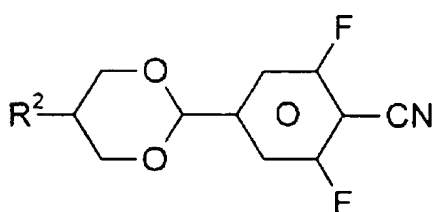
IIb



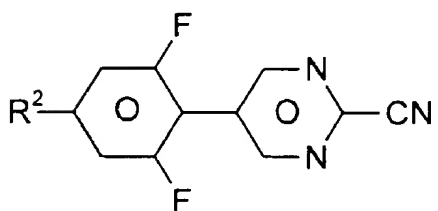
IIc



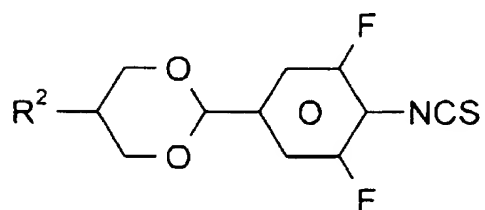
IIId



IIe



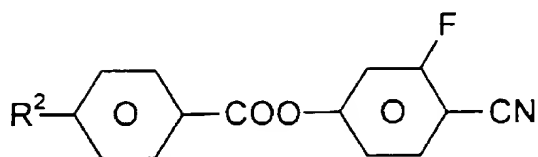
IIIf



IIg

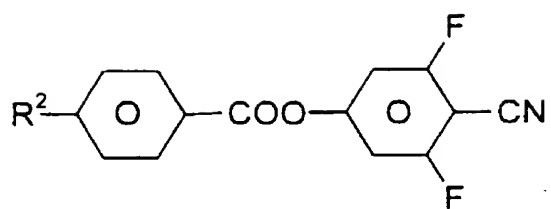
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10. (Original): A liquid-crystal display according to Claim 4, wherein medium comprises one or more compounds of formulae IIa to IIg

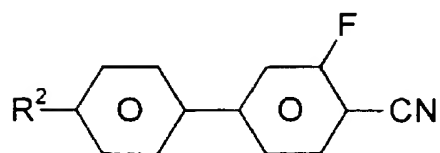


IIa

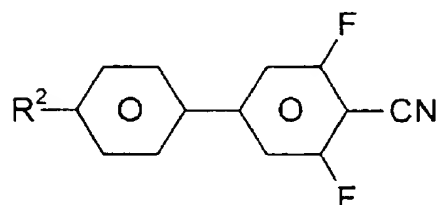
Q1
cont.



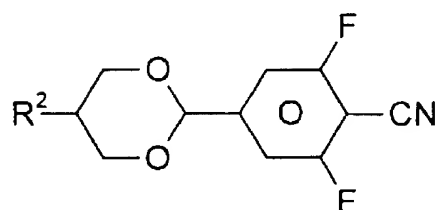
IIb



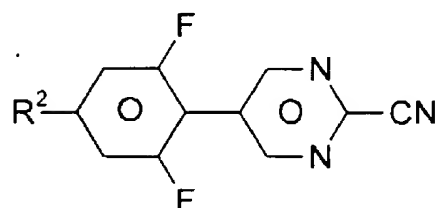
IIc



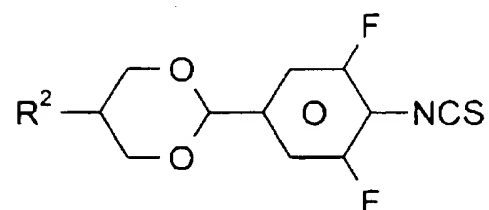
IIId



IIe



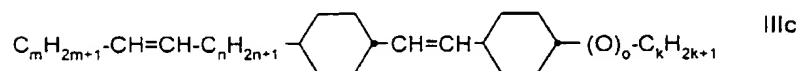
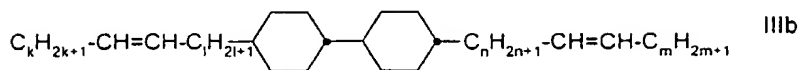
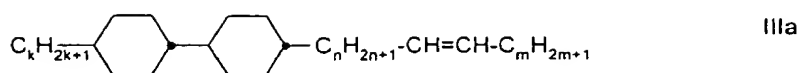
IIIf



IIg

cont.

11. (Original): A liquid-crystal display according Claim 3, wherein said medium comprises one or more compounds of formulae IIIa to IIIc



wherein

k is 1, 2, 3, 4 or 5,

m and n are each 0, 1, 2 or 3,

m + n is ≤ 5 , and

o is 0 or 1.

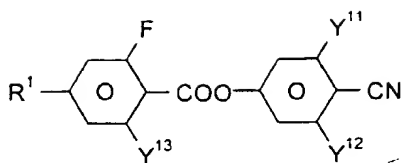
12. (Original): A liquid-crystal display according to Claim 8, wherein said medium comprises

- 1 to 35% of one or more compounds of the formula I,
 - 3 to 30% of one or more compounds of the formula II,
 - 3 to 45% of one or more compounds of the formula III,
- and
- 5 to 60% by weight of at least one compound of the formula IV.

13. (Original): A liquid-crystal display according to Claim 1, wherein pixels of the display are addressed by means of an active matrix.

14. (Previously Presented): A liquid-crystalline medium of positive dielectric anisotropy comprising at least two liquid-crystal compounds

wherein at least one of said compounds is of formula I



wherein

R¹ is alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms,

Y¹¹, and Y¹² are each F, and

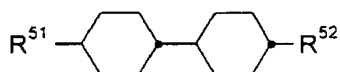
Y¹³ is H.

Ab I-17

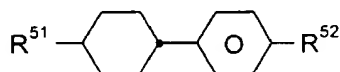
(A³) see I-8

15. (Original): In a method of generating an electro-optical effect using a liquid-crystal display, the improvement wherein a display according to claim 1 is used to generate said effect.

16. (Original): A liquid-crystal display according to claim 1, wherein said medium additionally comprises one or more compounds of formulae Va and Vb



Va

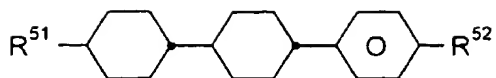


Vb

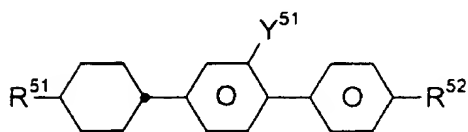
in which R⁵¹ and R⁵² are each, independently of one another, alkyl or alkoxy having 1 to 7 carbon atoms or alkenyl, alkenyloxy or alkoxyalkyl having 2 to 7 carbon atoms, and/or

one or more compounds of formulae Vc and Vd

Q1 cont.



Vc



Vd

in which

R^{51} and R^{52} independently of one another, are as defined above, and Y^{51} is H or F.

17. (Original): A liquid-crystal display according to Claim 8, wherein said medium comprises

- 2 to 30% of one or more compounds of the formula I,
 - 5 to 25% of one or more compounds of the formula II,
 - 5 to 40% of one or more compounds of the formula III,
- and
- 5 to 50% by weight of at least one compound of the formula IV.

Cont

18. (Original): A liquid crystal display according to claim 1, wherein said medium has a birefringence of <0.12 , a flow viscosity at 20° of $<30 \text{ mm}^2 \bullet \text{s}^{-1}$, a resistivity at 20°C of 5×10^{10} to $5 \times 10^{13} \Omega \bullet \text{cm}$, a rotational viscosity at 20°C of $<130 \text{ mPa} \bullet \text{s}$, and a clearing point above 60°C .

19. (Original): A liquid-crystal display according to claim 1, wherein said medium has a birefringence of 0.05 - 0.11 .

20. (Original): A liquid-crystal display according to claim 1, wherein said medium has a flow viscosity at 20°C of 15 - $25 \text{ mm}^2 \bullet \text{s}^{-1}$.

21. (Original): A liquid-crystal display according to claim 1, wherein said medium has a resistivity at 20°C of 5×10^{11} to $5 \times 10^{12} \Omega \bullet \text{cm}$.

22. (Original): A liquid-crystal display according to claim 1, wherein said medium has a rotational viscosity at 20°C of 70-110 mPa • s.

23. (Original): A liquid-crystal display according to claim 1, wherein said medium exhibits a storage stability of at least 1000 hours at -30°C.

24. (Previously Presented): A display according to claim 1, wherein in formula I R¹ is 1E-alkenyl, 1E-alkenyloxy, or straight-chain alkoxyalkyl.

25. (Previously Presented): A display according to claim 24, wherein in formula I R¹ has 2 to 5 carbon atoms.

26. (Previously Presented): A liquid-crystal medium according to claim 14, wherein in formula I R¹ is 1E-alkenyl, 1E-alkenyloxy, or straight-chain alkoxyalkyl.

27. (Previously Presented): A liquid-crystal medium according to claim 26, wherein in formula I R¹ has 2 to 5 carbon atoms.

28. (Previously Presented): A display according to claim 1, wherein the concentration in said medium of each compound of formula I is 0.1 to 20%.

29. (Previously Presented): A display according to claim 28, wherein the concentration in said medium of each compound of formula I is 1 to 16%.

30. (Previously Presented): A display according to claim 29, wherein the concentration in said medium of each compound of formula I is 3 to 10%.

31. (Previously Presented): A medium according to claim 14, wherein the concentration in said medium of each compound of formula I is 0.1 to 20%.

32. (Previously Presented): A medium according to claim 31, wherein the

concentration in said medium of each compound of formula I is 1 to 16%.

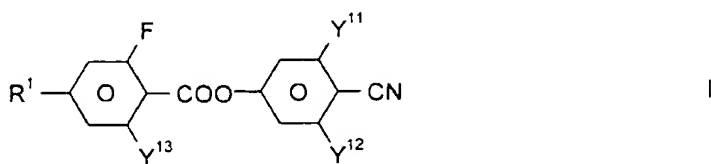
33. (Previously Presented): A medium according to claim 31, wherein the concentration in said medium of each compound of formula I is 3 to 10%.

34. (Previously Presented): A display according to claim 8, wherein said medium contains 2 to 30 % by weight of at least one compound of formula I, 5 to 25 % by weight of at least one compound of formula II, 5 to 40 % by weight of at least one compound of formula III, and 5 to 50 % by weight of at least one compound of the formula IV.

35. (Previously Presented): A display according to claim 8, wherein said medium contains 3 to 20 % by weight of at least one compound of formula I, 5 to 18 % by weight of at least one compound of formula II, 10 to 30 % by weight of at least one compound of formula III, and 20 to 40 % by weight of at least one compound of the formula IV.

36. (Previously Presented): An electro-optical liquid-crystal display comprising a realignment layer, for realigning liquid crystals, and a liquid-crystalline medium of positive dielectric anisotropy,

wherein said medium comprises one or more compounds of formula I



wherein

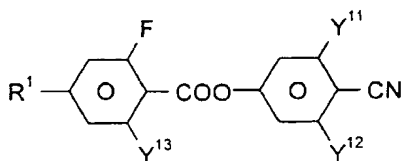
R¹ is alkenyl having 2 to 7 carbon atoms or alkenyloxy having 2 to 7 carbon atoms, and

Y¹¹, Y¹² and Y¹³ are each, independently of one another, H or F; and

wherein when an electric voltage is applied to said display an electric field is generated which has a component parallel to the liquid-crystal layer for realignment of the liquid crystals.

37. (Previously Presented): A liquid-crystalline medium of positive dielectric anisotropy comprising at least two liquid-crystal compounds

wherein at least one of said compounds is of formula I



A1-A6

wherein

R¹ is alkenyl having 2 to 7 carbon atoms or alkenyloxy having 2 to 7 carbon atoms, and

Y¹¹, Y¹² and Y¹³ are each, independently of one another, H or F.

38. (New): A liquid-crystal display according to Claim 1, wherein

R¹ is alkenyl having 2 to 7 carbon atoms, alkenyloxy having 2 to 7 carbon atoms or alkoxyalkyl having 2 to 7 carbon atoms, Y¹¹ and Y¹² are each F, and Y¹³ is H, and

wherein when an electric voltage is applied to said display an electric field is generated which has a component parallel to the liquid-crystal layer for realignment of the liquid crystals.

C2
